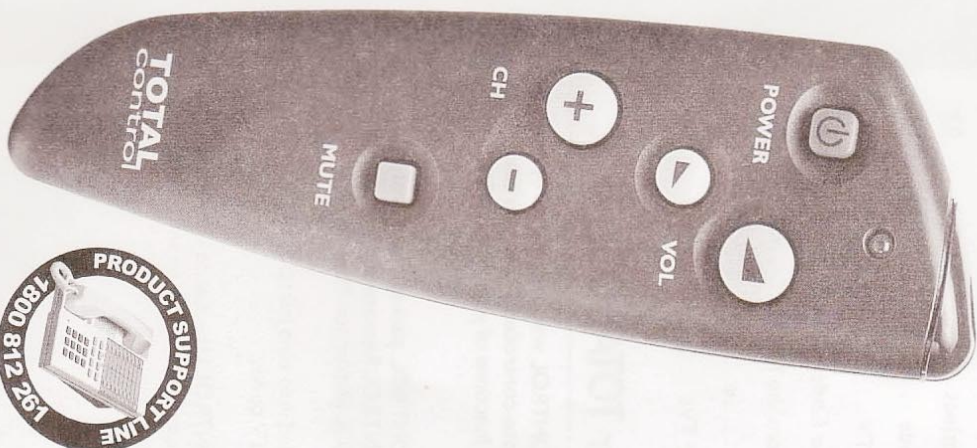


PREPROGRAMMED TELEVISION REMOTE CONTROL



INSTRUCTION MANUAL

TOTAL CONTROL

Contents

About Your TOTAL CONTROL	02
Installing the Batteries	03
Features and Functions	03
Entering Your Code	05
Setting Up Your TV	06
Searching for Your Code	07
Getting Codes from the TOTAL CONTROL	08
Helpful Hints	09
Set-Up Codes for TVs	1

About Your TOTAL CONTROL

Your TOTAL CONTROL was designed to operate any infrared remote-controlled TV so you can control the basic functions of your original TV remote.

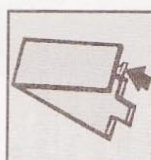
Your TOTAL CONTROL package contains:
The TOTAL CONTROL Remote and the
TOTAL CONTROL Instruction Manual.

This book is divided into two parts: Set-Up
Instructions and TV codes.

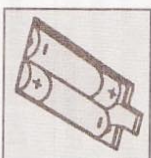
The TOTAL CONTROL User Guide and Code
Book explains in simple steps how to set up and use
your new remote.

Installing the Batteries

Your TOTAL CONTROL needs two new
AAA/LR03 alkaline batteries.



1 On the back of
the TOTAL
CONTROL, push
down on the tab
and lift the cover
off.



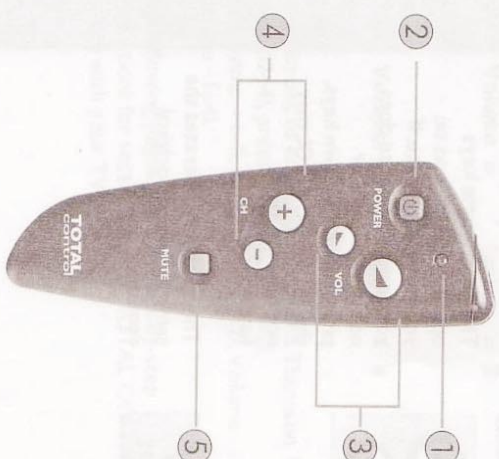
2 Match the
batteries to the +
and - marks inside
the battery case,
then insert the
batteries.



3 Press the battery
cover back into
place.

Features and Functions

The illustration below and the chart on the next
page describe the features and functions of the
TOTAL CONTROL universal TV remote.



Your TOTAL CONTROL universal remote was designed with the functions used most often to operate your TV. It has large, shaped keys for easy recognition, even in the dark.

Key	Function
1	Red Light (LED)
2	The LED flashes red to show that the remote is working.
3	The Power (or Standby) key operates the same as on your original remote.
4	The Volume keys adjust the volume just as your original remote.
5	The Programme keys operate the same as on your original remote. If your original remote does not have channel or programme up/down keys, the TOTAL CONTROL may not operate these functions either.
	The Mute key operates the same as on your original remote.

Entering Your Code

The TOTAL CONTROL is preprogrammed with codes for the most popular remote-controlled TVs.

Starting on page 1 you will find the Set-Up Code section. This section lists the codes for your TV by brand name. For each brand name, the most popular codes are listed first.

To enter a code for your TV, use the Programme and Volume keys on the TOTAL CONTROL as follows:

Programme + (up)	=	1
Programme - (down)	=	2
Volume + (up)	=	3
Volume - (down)	=	4

For example, to enter the code for a Thomson TV (code 21244), press Programme - (=2), Programme + (=1), Programme - (=2), Volume - (=4).

The following pages give you step-by-step instructions for setting up your TOTAL CONTROL for use with your TV.

Setting Up Your TV

To set up the TOTAL CONTROL for your TV:

- Find your TV code in the Set-Up Code section (starting on page 1). Codes are listed by brand name. The most popular code is listed first. Turn on your TV.
- Press the **Mute** key, then **Power** and **hold both** until the red light blinks twice.
- Enter your **five-digit TV code** according to the chart on page 5. The red light will blink twice.
- Aim the TOTAL CONTROL at your TV and press **Power**. Your TV should turn off.
- For easy reference, write your TV code in the five boxes.



To turn on your TV, press the **Power** or **Programme +** key depending on your TV.




Note: If your TV does not respond, try all the codes for your brand. If the codes do not work, try the search method (page 7), even if your brand isn't listed at all.



Searching for Your Code


If your TV still does not respond to the TOTAL CONTROL after having tried all the codes for your brand, try searching for your TV code.

- 1 Turn on your TV.
- 2 Press the **Mute** key, then **Power** and hold both until the red light blinks twice.



- 3 Press **Volume -** three times. The red light will blink twice.




- 4 Alternate between **Programme+** and **Power** until your TV turns off. You may have to press these keys many times, so please be patient.





- 5 When your TV turns off, press the **Mute** key. The red light will blink twice. Your TOTAL CONTROL is ready to run your TV.







Getting codes from the TOTAL CONTROL


It's easy to get the five-digit code for your TV after your device is set up. To get your TV code:


- 1 Press the **Mute** key, then **Power** and hold both until the TOTAL CONTROL's red light blinks twice.




- 2 Press **Volume -, Volume +**, then **Volume +**.





- 3 For the first digit of your 5-digit code, press **Programme+** and count the red blinks.


- 4 For the second digit, press **Programme-** and count the red blinks.


- 5 For the third digit, press **Volume+** and count the red blinks.


- 6 For the fourth digit, press **Volume-** and count the red blinks.


- 7 For the fifth digit, press the **Mute** key and count the red blinks. Now you have your five-digit code.



Note: Write down the five-digit code for your TV on page 6.

Helpful Hints

Problem:	Solution:
Red light does not blink when you press a key?	Replace batteries with 2 fresh, new AAA/LR03 alkaline batteries.
The TOTAL CONTROL does not respond after pressing a key?	Make sure you are using new batteries and are aiming the TOTAL CONTROL at your device.
The TOTAL CONTROL does not operate your TV?	A) Try all the codes listed for your brand. B) Try the search method on page 7.
Your brand is not listed in the TOTAL CONTROL code section?	Try the search method on page 7.
The TOTAL CONTROL is not performing commands properly?	You may be using the wrong code. Start the search method over again to locate the proper code.
Your TV switches to programme I when you press the Power key before switching off OR you must press Power twice to switch on your TV?	Press the Mute key, then Power and hold both until the red light blinks twice. Then press: (Volume -) (Programme +) (Programme +).

Guarantee

UNIVERSAL ELECTRONICS INC. warrants to the original purchaser that this product will be free from defects in materials and workmanship under normal use for a period of ninety (90) days from the date of the original purchase. Product will be replaced free of charge if it has been proven to be defective within the 90-day period when said product is returned at customer expense within the warranty period. THIS WARRANTY DOES NOT COVER ANY EXPENSES INCURRED IN THE REMOVAL AND REINSTALLATION OF THIS PRODUCT.

This warranty does not cover damage or failures caused by products or services not supplied by TOTAL CONTROL, or which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, set-up adjustment, improper maintenance, alteration, maladjustment of consumer controls, modifications, commercial use, fire, water, lightning or other acts of God. This warranty does not cover cartons, carrying cases, batteries, broken or marred cabinets, or any other items used in connection with the product.

There are no express warranties except as listed above. TOTAL CONTROL SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE. Some countries do not allow the exclusion or limitation of incidental or consequential damages, or limitation on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from country to country.

To obtain warranty service during the warranty period, please carefully pack the product and send it prepaid and adequately insured to the address below, together with your purchase receipt or other proof of the date of original purchase.

UNIVERSAL ELECTRONICS
P.O. BOX 3332
7500 DH Enschede
The Netherlands


IMPORTANT:
IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD, YOU MUST INCLUDE YOUR PURCHASE RECEIPT so that we may establish your eligibility for service and can replace your unit without cost. It would be helpful if you included a note detailing the problem. **IF THE UNIT IS RETURNED FOR SERVICE OUTSIDE THE WARRANTY PERIOD**, please include a cheque to cover the cost of replacement, handling and return postage. (Prices may differ per model.)

NOTHING IN THIS GUARANTEE AFFECTS YOUR STATUTORY RIGHTS.

TOTAL CONTROL is a trademark of Universal Electronics Inc.

Copyright 1999 by Universal Electronics Inc. All rights are reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in any retrieval system, or translated to any language or computer language, in any form or by any means, electronic, mechanical, or otherwise, without the prior written permission of Universal Electronics Inc.

701123

 Printed on Recycled Paper

0599

CH+ = 1, CH- = 2, VOL+ = 3, VOL- = 4

Codes TV

Admiral	12224, 12242, 23313, 21412, 14222, 21311, 21243
Agaži	21311
AGB	12134
Akai	14211, 22414, 11322, 13444, 11332, 12131, 14233
Akiba	14233
Akura	14233, 22412, 13334, 21131
Alba	14233, 14334, 11332, 23313, 22413, 22421, 22314, 22414, 11372, 14231
Alcyon	12141, 14214
Allorgan	14143, 21323, 14232
Alstar	11322
Amplivision	14232
Amstrad	13412, 11332, 12134, 21131, 22313, 14233, 22414, 22412, 22313, 13334
Anglo	11332
Antech	11332, 12141, 21131
Ansonic	22413, 12323, 11332
Arcen Ciel	12342, 14211
Arcam	14231, 14232
Aristona	11322, 11141, 11142
Artur	
Martin	14224
ASA	12332, 22233, 12123, 21333, 21324, 12331, 12324
Asberg	11322, 12141
Asuka	14233, 21131, 14231, 14232
Atlantic	11322, 14231, 14143, 22111
Avori	11332
Auchan	14224
Audiosonic	11322, 12342, 14232, 22413, 21311, 14233
Audicon	14232
Ausind	12141
Autovox	12224, 14143, 14342, 12141, 21243, 21324, 14222, 14424
Barco	22441
Basic Line	14233, 11332, 22423, 11322
Basstide	14232
Baur	21344, 14114, 11322, 13444, 11133
Beon	11322
Best	22413, 23322
Bestar	11322, 22413, 22423
Black Star	14244
Blaupunkt	13444, 14114, 14131, 14222, 21342, 21443
Blue Sky	14233, 11322
Bondstec	14244

CH+ = 1, CH- = 2, VOL+ = 3, VOL- = 4

Brandt*	12342, 14142, 14342, 22142, 14121, 21244, 22144, 21334
Brinkmann	23313
Brionvega	11322, 12224
Bruno	12224, 21332
BSR	21333, 13314
BTC	14233
Bush	14233, 14334, 13314, 11332, 11322, 21211, 22314, 22414, 13442, 22423, 11124
Capsonic	11321, 12123
Carrefour	11322
Cathay	11322
Centurion	12224, 14222, 14424
Century	12133, 21413, 12141, 14424, 13314, 21413, 21221, 23313
CGE	11332, 14334
Circline	11332, 14334
City	11332
Citronic	14233, 11331, 22413, 22414, 14232, 12141, 14424, 11332, 11332
Concorde	11332
Condor	14231, 14424, 22111 11322, 22413, 11332
Contec	14231, 11332, 13242, 11134, 13442, 11332
Continental	12342, 14342, 14121, 22142, 14142, 21334, 21244
Edison*	11332
Cosmel	14222
Crezar	12224, 14424, 12133
Crosley	14441, 12141, 13314, 14222
Crown	22422, 11332, 22413, 12141, 23322, 11322
Crystal	23344
CS	
Electronics	14424, 14231, 14233
CTC	14424
Cyberton	11332
Daewoo	11322, 11322, 14231, 22423, 14233, 14332
Dainichi	14233
Daytron	11332, 22423
Desmet	22111, 11322
Dixi	11332, 11322, 21332
DTS	11332
Dual	14232, 21114

Dual-Tec	14232, 21114
Dumont	12224, 21333, 12331, 12323, 14222, 12332, 12133, 21324
Dynatron	11322
Elbe	14343, 21114
Elec	12224, 14424, 12134, 12323, 13314, 21341, 21414
Elektra	21131
Elektronika	21414
Elm	14231, 11322, 12332, 12331
Elite	14233, 11322
Elman	12323
Eltia	11332
Emerson	13412, 14222, 12224
Erres	11322, 11441
Etron	13314, 11332, 21234
Euro-Feel	21131
Euroman	14231, 21131, 11322, 14232, 23322
Europhon	11322, 12134, 12323, 14222, 14232, 21414, 14233, 14424
Expert	14224, 14143
Femur	22423, 11332
Finlux	12332, 12331, 11322, 22223, 21324, 14232, 12131, 13314, 21333, 12141, 12134, 12123, 14231, 11322, 22423, 14424, 11332, 14232, 12331, 14232, 11321, 12242, 13314, 14211, 22413, 21332, 11342, 12224, 13242, 13314, 21344
Fisher	
Flint	11322
Formenti	12224, 14222, 14231, 22111, 12141, 13314
Fortress	12242, 12224
Fraba	22413
Frontech	14424, 21131, 23344, 14232, 11332
Fujitsu	14143, 12131, 14232
Furui	21131, 21323, 13414
Galaxi	21341
Galaxis	22413, 23313
GBC	14222, 11332, 13314
GEC	11334, 12131, 13314, 14142, 12134, 11322, 14232, 12131
Geloso	14222, 14424, 11332, 13314
General	
Technical	11332
Genexxa	14233, 11322

German-vox	14222
Goldstar	11322, 22413, 21313, 11311, 11332, 22432, 11113, 14232, 14424, 14231
Gorenje	22413, 23322
GPM	14233
Grandin	14224, 14233, 11322, 11332, 22111
Grundig	14114, 13444, 12123, 12141, 14142, 14342
Hallfax	21131, 14231
Hampton	14231, 14232
Hansa	11322, 21321, 13314, 14222, 22111, 11332, 21323
Hantrex	11332, 21414, 14222
HCM	21131, 11332, 23322, 14232, 14233
Hema	14232
Hilfox	12342, 14121
Hinari	14211, 13414, 11321, 11322, 14223, 11332, 21234
Hitsuwa	14233
Hitechi	14312, 11321, 13314, 11334, 11341, 14121, 14232, 21413, 11311, 21221
Hoshai	14233
Hygashi	14233, 14231
Hornyphon	11332
Hyper	11332, 14231, 14232, 14424
Hypson	11332, 21311, 14232, 22414, 14233, 14231, 11332, 11322, 14424, 22413, 22413, 23313, 13314, 12133, 14441, 12141
Imperial	
Indesit	14342
Indiana	11322
Ingersol	11332
Inno Hit	11332, 21414, 14232, 12141, 21313, 13314, 12133, 14441, 12141
Interbuy	12134
Interfunk	11332, 21311, 14424
Intervision	11332, 11141, 12224, 21214, 13314, 22413, 21441, 12342
Irradio	11332, 14224, 14233, 14424, 21313, 12141
Isukai	14233, 11322
ITC	14232
ITS	11322, 22414, 14233
ITT	13314, 21441, 11124

CH+ = 1, CH- = 2, VOL+ = 3, VOL- = 4

JEC	1134	12341, 13223, 11322, 22313, 11124, 12224, 11312, 11321, 14321, 13442, 14342
JVC	1132, 11321	11312, 11321, 14321, 13442, 14342
Kaisai	11322, 14231	14342
Kamp	14231	21321, 21313, 21314, 12141, 14231, 21414, 21432
Kapsch	14143, 13314	14231
Karcher	11322, 23322	12141
Kendo	14334, 14424, 12323, 11322	22413
Kennedy	14143, 14222, 13314	12323
Kingsley	14231	14232, 11132, 14231, 14424, 12323
Kneissel	21114	21234
Kolster	11322	14342
Konka	14233	13333, 11321
Korbel	11322	11322, 13444, 22413, 11133, 14131, 13314, 12224, 14222, 14232
Korting	12224, 23322, 22111	14222, 14232
Lenco	1132	11322, 23344
Lenoir	1132	11322, 23344
Lesa	14424	11322, 12224, 21111
Leyco	21131, 12131, 11322, 21323	11322, 11331
Liftec	1132, 21131	14231
Lloytron	11311	12131, 14233, 11322, 14232, 21131, 11311, 11314, 14231
Loewe	11322, 12224, 21312, 11324	21442
Logik	11134, 11312	12323, 12141, 12123, 14231
Luna	14143, 21412, 11322	14212, 12342
Lux May	11322	13314, 21441, 11124, 12342, 21244, 14121, 12222, 14222, 21334, 21411
Luxor	14342, 21313, 21441	21411
M Elec- tronic	22233, 11322, 12342, 14424, 12332, 12331, 22423, 11321, 14232	14224, 13314, 21323
Magnadyne	12224, 14424, 12134, 12323, 13314, 21341, 21414	22414
Magnafon	12134, 14222, 12141, 12323, 21433, 14231	11322
Mandor	21131	14334, 21323, 13412, 22111, 22314, 11134, 11322, 22112
Manesch	11322, 14334, 14232, 21131, 22111, 21221	14223
Marantz	11322	13242, 12131
Marelli	12224	21442
Mark	11322	11133, 11321, 12242, 11322, 14114, 13444, 14334, 12342, 14222, 21323, 14313
McMichael	11334	14313
Mediator	11322, 11141	11133, 11321, 12242, 11322, 14114, 13444, 14334, 12342, 14222, 21323, 14313
Memorex	1132	14224, 13444, 13444, 22411, 14114, 14342, 12123, 12141, 13444, 13444
Memphis	12131, 11132	11322
Meitz	14222, 14114, 14344, 12224, 13444, 13444, 22411, 14114, 14342, 12123, 12141, 13444, 13444	11322
Minerva	14114, 14342, 12123, 12141, 13444, 13444	11322
Minoka	11322	11322

III

CH+ = 1, CH- = 2, VOL+ = 3, VOL- = 4

Panasonic	14313, 14433, 21213, 12321, 14222, 14223, 14342, 22344, 22411	14313, 14433, 21213, 12321, 14222, 14223, 14342, 22344, 22411
Pathe	14343, 14231, 14224, 22111, 21342, 21321	14343, 14231, 14224, 22111, 21342, 21321
Cinema	14142, 14222, 12342, 21342, 14121, 21334, 22142, 14342	14142, 14222, 12342, 21342, 14121, 21334, 22142, 14342
Pathe	14142, 14222, 12342, 21342, 14121, 21334, 22142, 14342	14142, 14222, 12342, 21342, 14121, 21334, 22142, 14342
Marconi	14142, 14222, 12342, 21342, 14121, 21334, 22142, 14342	14142, 14222, 12342, 21342, 14121, 21334, 22142, 14342
Pausa	1132	1132
Perfekt	11322	11322
Pilico	12224, 12133, 23313, 12141, 14222, 14424, 14441, 13314	12224, 12133, 23313, 12141, 14222, 14424, 14441, 13314
Pilliharmonic	14232	14232
Philips	11322, 11142, 11141, 22114, 11124, 13444, 11334	11322, 11142, 11141, 22114, 11124, 13444, 11334
Phoenix	12224, 14112, 21322	12224, 14112, 21322
Phonola	11322, 11442, 11141, 12224, 21322, 14112, 14231	11322, 11442, 11141, 12224, 21322, 14112, 14231
Pioneer	13323, 11322	13323, 11322
Plantron	11322, 21131	11322, 21131
Poppy	1132	1132
Prandoni-	14424, 12134, 14222, 12141	14424, 12134, 14222, 12141
Prince	14232	14232
Precision	11311, 11132	11311, 11132
Prima	12131	12131
Prinz	1132	1132
Profex	1132	1132
Profi-	1132	1132
Tronic	11322	11322
Protech	11322, 14232, 1132, 14424, 12323, 21131, 23344	11322, 14232, 1132, 14424, 12323, 21131, 23344
Pyri	1132	1132
Quasar	14424	14424
Quelle	11322, 11133, 11134, 12342, 13444, 11311, 11321, 14232, 14424, 12133	11322, 11133, 11134, 12342, 13444, 11311, 11321, 14232, 14424, 12133
Questa	11321	11321
Radiala	12342	12342
R-Line	11322	11322
Radioia	11322, 11141, 22141, 21342	11322, 11141, 22141, 21342
Radio- marelli	12224, 14132, 12134, 14424	12224, 14132, 12134, 14424
Radiocone	11322	11322
Rank	12123	12123
Rediffusion	14132	14132
Revex	11322, 22413	11322, 22413
Rex	21412, 14143, 14424, 13314, 21114, 21243	21412, 14143, 14424, 13314, 21114, 21243

IV

CH+ = 1, CH- = 2, VOL+ = 3, VOL- = 4

RFT	21332, 12224, 21321	21332, 12224, 21321
Roadstar	11322, 21131, 14233	11322, 21131, 14233
Royal Lux	23322	23322
Saba*	21244, 14222, 12134, 12224, 13314, 12342, 14121, 21334, 22144, 14142, 21411	21244, 14222, 12134, 12224, 13314, 12342, 14121, 21334, 22144, 14142, 21411
Salora	21313, 13314, 12134, 22422	21313, 13314, 12134, 22422
Sambers	14222, 12134, 12141, 12323, 21433	14222, 12134, 12141, 12323, 21433
Samsung	11322, 11132, 14232, 22413, 21131, 12233, 14231, 21313, 11311, 12131	11322, 11132, 14232, 22413, 21131, 12233, 14231, 21313, 11311, 12131
Sandra	14231	14231
Sansui	11322	11322
Sanyo	14211, 13242, 11321, 11134, 22413, 12131, 14232, 11342, 13442, 14222, 11342, 22422, 21321, 14231	14211, 13242, 11321, 11134, 22413, 12131, 14232, 11342, 13442, 14222, 11342, 22422, 21321, 14231
SBR	11322, 11141	11322, 11141
Schneider	11322, 11141, 14232, 21344, 21114, 22114, 14424, 22414, 14233	11322, 11141, 14232, 21344, 21114, 22114, 14424, 22414, 14233
SEG	21332, 14232, 21131, 11132, 14424, 11321, 12323	21332, 14232, 21131, 11132, 14424, 11321, 12323
SEI	12224, 12323, 11133, 12224, 12323, 13314, 12134, 14222, 21323, 21331, 21412, 14143, 14313, 13314, 21114, 21243	12224, 12323, 11133, 12224, 12323, 13314, 12134, 14222, 21323, 21331, 21412, 14143, 14313, 13314, 21114, 21243
Seleco	21142, 21243	21142, 21243
Sencora	1132	1132
Sentra	21234, 21221, 11314, 14233	21234, 21221, 11314, 14233
Sharp	12242, 13242, 11321	12242, 13242, 11321
Shorai	21323	21323
Siarem	12134, 13314, 12224, 12323, 14222, 21414	12134, 13314, 12224, 12323, 14222, 21414
Siemens	13444, 11311, 13242, 14114, 14131, 21342, 14222	13444, 11311, 13242, 14114, 14131, 21342, 14222
Sierra	11322, 11141	11322, 11141
Siesta	22413	22413
Silver	11321	11321
Singer	12224, 12323, 14224, 14424	12224, 12323, 14224, 14424
Sinudyne	13412, 12224, 14334, 12323, 14222, 21323, 21331	13412, 12224, 14334, 12323, 14222, 21323, 21331
Sogera	22111	22111
Solavox	11311	11311
Sonitron	14211, 22413	14211, 22413
Sonoko	11322, 11132, 21131, 14232	11322, 11132, 21131, 14232
Sonolor	14224, 14211, 13314	14224, 14211, 13314
Sontec	11322, 22413	11322, 22413

V

* Excludes a few models that operate on frequencies over 100 kHz.